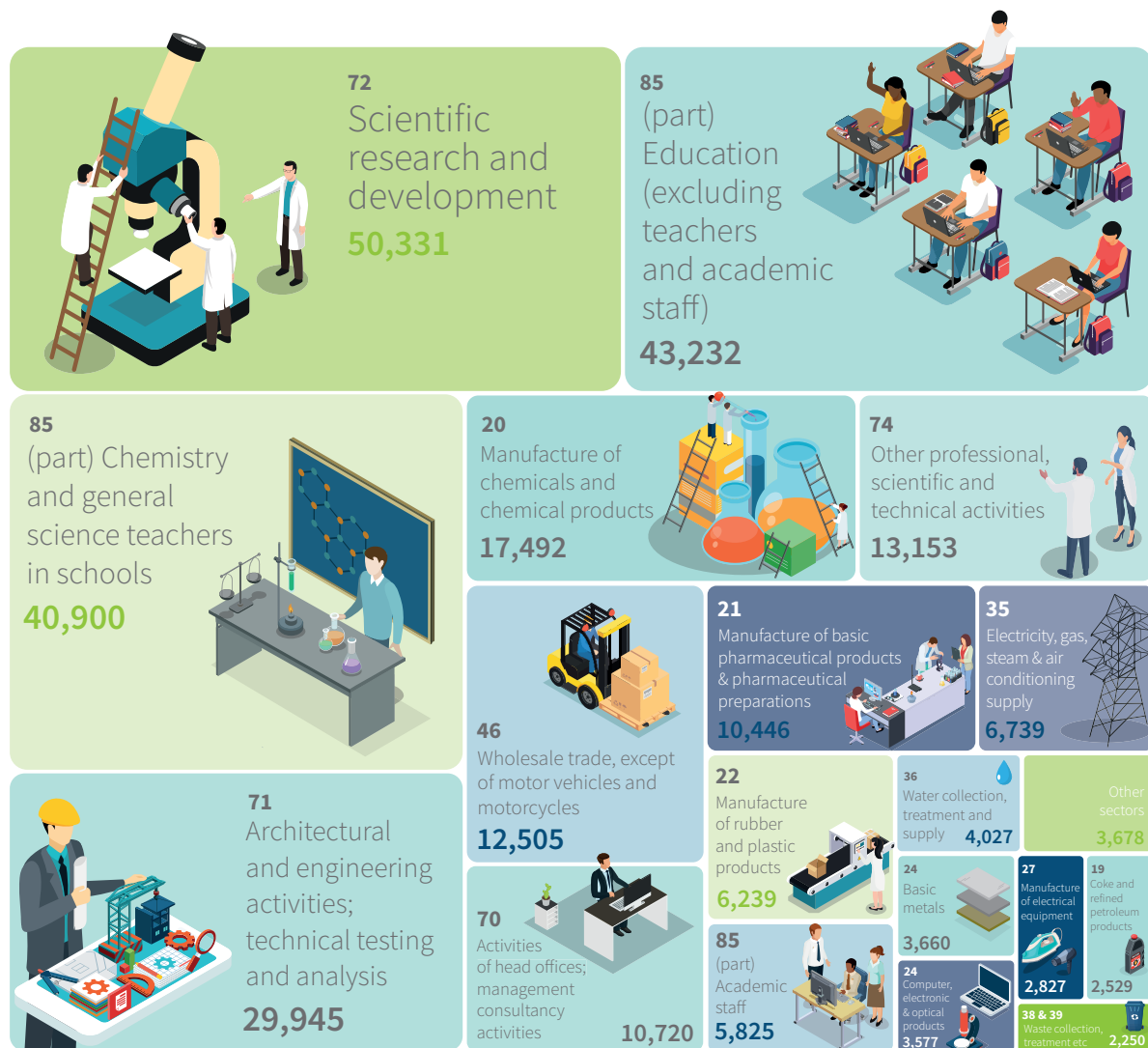


Where do chemistry-using professionals work?

In 2019, the total number of chemistry-using professionals in the UK was estimated to be 275,000. This includes

- around 6,000 academic staff
- approximately 41,000 chemistry and general science teachers in education
- about 228,000 others who were in employment.²

Figure 1:
Chemistry-using professionals in each of the main occupational categories in the UK in 2019



² Sector split uses ONS Standard Industry classifications - please see the full report for more details.

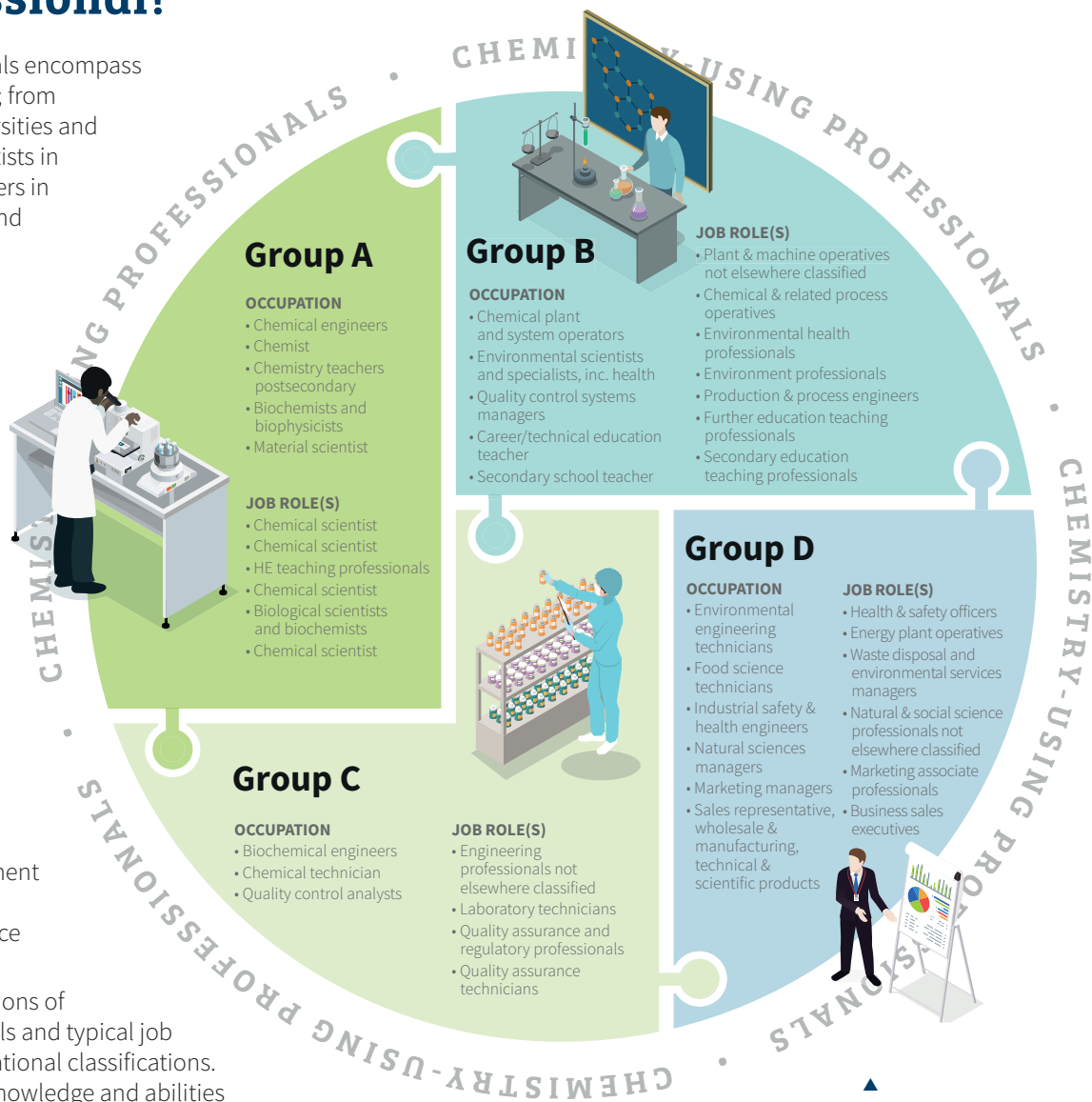
What is a chemistry-using professional?

Chemistry-using professionals encompass a wide range of occupations; from academic chemists in universities and professional chemical scientists in industry, to chemistry teachers in schools and those in sales and marketing roles.

Occupations fall into four distinct groups. The classification of each group does not reflect the level of importance of the occupations or roles themselves, only the extent to which chemistry knowledge is required.

Group A includes occupations where deep chemistry knowledge is of highest importance (academics, professional chemists), while Group D includes those where deep chemistry knowledge is less important, but still a significant component of the role (sales, marketing, some engineering and science professionals).¹

Table 1 sets out the occupations of chemistry-using professionals and typical job roles, using standard occupational classifications. (A breakdown of the skills, knowledge and abilities that apply to each group are included in the full report).



▲
Table 1:
Occupations of
chemistry-using
professionals and
typical job roles

¹ For more information on the methodology, please read Chapter 2 of the full report.

	2013	2014	2015	2016	2017	2018	2019
Academic staff	4,725	5,210	5,415	5,535	5,625	5,720	5,825
Chemistry and general science teachers in schools	40,300	39,800	39,600	40,200	40,200	40,500	40,900
WFJ/LFS employment totals	226,963	226,471	234,463	222,795	211,096	226,460	228,367
Grand total	271,988	271,481	279,478	268,530	256,921	272,680	275,092

Table 2:
Recent trends in the number of chemistry-using professionals in the UK by category

Regions	2013	2014	2015	2016	2017	2018	2019
South East	36,988	38,764	45,748	47,467	39,968	50,658	51,093
London	31,218	26,196	17,409	34,175	32,588	30,091	30,349
North West	41,444	46,520	36,787	36,738	33,382	29,849	30,105
East of England	22,435	30,747	38,507	33,653	23,325	28,649	28,895
Scotland	23,433	23,957	25,445	19,862	24,142	27,618	27,855
South West	20,448	18,707	24,792	17,627	22,872	23,381	23,582
Yorkshire & the Humber	23,763	17,522	20,691	22,901	16,059	21,891	22,079
East Midlands	14,563	18,785	15,960	8,418	25,630	18,550	18,710
West Midlands	22,273	17,203	17,431	19,980	17,061	14,183	14,305
North East	16,133	15,445	13,543	14,814	11,022	12,147	12,251
Wales	14,881	12,758	17,040	6,890	7,690	10,792	10,885
Northern Ireland	4,408	4,877	6,126	6,006	3,182	4,938	4,981

Table 3:
Recent trends in the number of chemistry-using professionals in the UK by region (excludes academic staff and teachers)